

10-27-1972

## The Amplifier - v. 18, no. 2

Associated Students of the Montana College of Mineral Science and Technology

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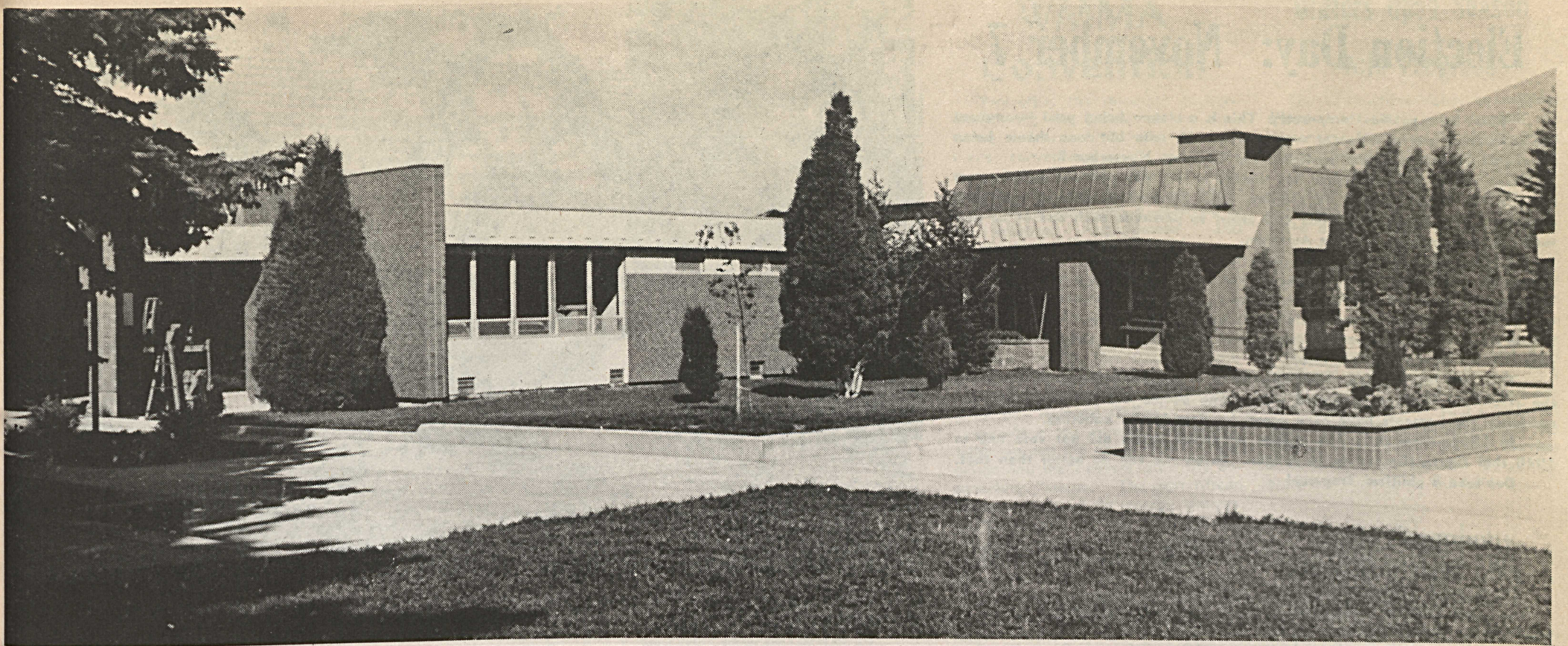
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SUPPORT  
YOUR  
QUEEN

# The AMPLIFIER

Montana College of Mineral Science and Technology

BUTTE, MONTANA

HOMEcoming  
THIS  
WEEKEND

VOL. 18, NO. 2

FRIDAY, OCTOBER 27, 1972



KAREN SEYMOUR  
Freshman Candidate



BARBARA HAYES  
Sophomore Candidate



TERI WARD  
M-Club Candidate



NANCY ANTONIOLI  
Junior Candidate



JUDY DAVID  
Senior Candidate

## STUCO Creates Committees

The Student Council at its October 18 meeting approved the Appropriations Committee's recommendations and distribution of the funds for the academic year 1972-73.

A total of \$32,500.00 was appropriated to the thirty-five clubs and organizations who submitted budgets for consideration.

At this meeting, Rick Griffiths was appointed as this year's CIC Chairman. Mike Bowman was selected as the Dance Committee Chairman.

The Student Council meeting held earlier this month on October 11 decided several issues.

Four new committees, started by President DeMoney, had student delegates appointed to serve on them. The new committees are the Continuing Education Committee, headed by Dr. Gless; the Safety Committee, headed by Mr. Herndon; the Legislative Advisory Committee, which presently has no chairman; and the Recruiting Committee, headed by Dean Stolz.

Representative to the Safety Committee is Tom Behling; Russell Darr was selected as delegate to the continuing Education Committee. Student Representatives to the Legislative Advisory Board were not chosen at that meeting. Delegates from the High School-College Relations committee were placed on the recruiting committee since their functions are similar. These students are Tom Hohn and Coleen Ward.

In other business, a memo was to be sent to Dr. DeMoney advising him of the hazardous conditions which exist around the Tech campus, such as the holes in the parking lots and loose nails in wooden stairs.

## New Atmosphere at Tech Cheery and Relaxed

A different feeling and atmosphere among students and faculty is evident on the Tech campus this semester. Go to the newly renovated Sub and observe the friendliness and sociability of the students, staff and faculty. There is a considerable change from last year.

The students have a place where they can meet with their friends over lunch, coffee, or cokes. The Sub is new and can compare with any of the other Student Union Buildings within our University System.

The faculty seem happier and more relaxed. Even some of the more grim and serious-minded professors have been seen laughing and acting human. Perhaps this is too much optimism, but one can always hope. The combination of having this new addition to the campus, plus a new president has helped the moral of Tech more than anything that has happened in a long time.

People enjoy getting together to see their friends. The students and faculty have an opportunity to see each other outside of the classrooms and labs. The Sub provides a variety of excellent food which makes eating more interesting and enjoyable.

Now that this fine addition exists on the campus with a new and enthusiastic president, there is only one way for Montana Tech to go, and that is "upward and onward."

## Homecoming Schedule Events to Take Place

Five pretty young women are vying for the title of 1972 Homecoming Queen at Montana Tech.

They are: Teri Ward, representing M. Club; Judy David, senior class; Nancy Antonioli, junior class; Barbara Hayes, sophomore class and Karen Seymour, freshman class, all of Butte. One of these coeds will receive the crown Friday (October 27) at the bonfire and pep rally at 8 p.m. behind Alumni Coliseum. Tech students will vote for the queen between 9 a.m.

and 4 p.m. Friday in the Student Union Building.

The bonfire kicks off Tech's homecoming activities. Saturday's events begin at 10:30 a.m. with a parade through uptown Butte. The parade will form on Mercury Street between Washington and Montana. It will travel up Montana to Park, around the business loop, over to Park Street and up Park to Montana Tech. Floats and cars will be judged during the parade, and the winners will be displayed at halftime of this afternoon's football game.

The Tech Orediggers and the Rocky Mountain College Bears will clash at 1:30 Saturday afternoon in Alumni Coliseum in their last Frontier Conference game of the season. Also

during halftime, the Butte High School band and the Purple B's drill team will perform, and the Homecoming queen and her court will be introduced.

Before the football game, Montana Tech Alumni and Booster and Century Club members are invited to lunch at Tech's newly remodeled Student Union Building. Beginning at 9:30 Saturday morning, alumni and members of the Booster and Century Clubs may register at the Acoma Lounge and Supper Club on the corner of Wyoming and Broadway Streets. Free parking will be available throughout the day in The Anaconda Company parking lot across Granite Street from the Hennessy Building. A bus will carry fans from the Acoma to Tech for lunch and the game and back to the Acoma.

Following the game, The Booster Club, Century Club and alumni are invited to a party at the Acoma about 4:30 p.m. At 6:30, dinner will be served. Tech's Don Heater, who recently returned from a stint with the St. Louis Cardinals, will speak about professional football.

At 9 o'clock Saturday night, activities for the students will conclude with a dance in the Student Union Building, featuring the music of Tinkle and Plunk.

### A Girl

BALMY DAYS, SKIES BLUE ABOVE  
A BLACK HAired GIRL  
TO KISS AND LOVE  
IS ALL I ASK

UNKNOWN

## Student Wives Gather

All female married students and wives of students are considered members of the Student Wives. A worthwhile organization enabling both students and student wives to get together and face the many challenges of acquiring an education.

Activities include volleyball, swimming, learning Bridge, and in general a good time. Work is being completed on a float for Homecoming. It is possibly the first time in the school's history that a protest float has been entered. Its theme is Married Student Housing, which is UNBEARABLE.

Projects of the student wives include a scholarship for married students and new housing for married students. Dues are only \$1.50 per semester and meetings the first Wednesday of the month. Active support of these projects can be accomplished only through your support. Please attend.

## Magma Reorganizes

A committee has been appointed by the student council for the purpose of possible reorganization of Magma, the Montana Tech yearbook. Due to inefficient management, the 1971-72 yearbook will not be published until later this year. Professor Charles Hendon has been appointed the new faculty advisor to Magma, replacing Professor Frank Young. Professor Herndon is speculating on the possible distribution of the 1972-73 Magma in June of this year. The committee will report its findings and recommendations to the executive committee of ASMT at a later meeting of the student council.



# Election Day: November 7

"Don't be a political drop-out!" This is a slogan being used throughout the country to put a different emphasis on the trite but true theme being trumpeted by both political parties: Vote Tuesday, November 7.

One reason our democracy has thrived is that our political party system narrows the voter's choice on election day. Political candidates and their supporters have spent much time and effort to persuade each one of us that their programs will be best for America.

All that they ask is that we take the trouble to vote. This means obtaining an absentee ballot if we expect not to be able to vote at the polls on Tuesday, November 7 because we are on a trip or ill. However, most of us will be able to get to our polling place if we plan ahead — which means we should learn how we can vote, where we can vote, when we can vote, and then plan our day so that we will vote.

Since the last election, when only 55% of the citizens went to the polls, the electorate has been enlarged with young people over 18 years old and residency requirements have been eased for Presidential balloting.

In 1968, more than 7½ million registered voters did not vote and in 1970 that figure climbed to 16 million. Surely we can do better than that. Don't be a political drop-out!

## AWS Selects Officers

Associated Women Students is an organization for all women on the Tech campus. Recently they have finished selecting their officers.

Elected for the 1972-73 school year are:

- President, Anne Holm
  - Vice-president, Kathy Bucher
  - Treasurer, Janice Bossard
  - Delegate to Student Council, Teri O'Rourke
  - Delegate to Disciplinary Committee, Kathy Dillon
  - Delegate to WRA, Laura Evans
  - Delegate to AWS, Peggy Holland
- AWS is an organization in which the woman student can become involved. If you have energy to spare contact one of the above officers.

## CLASSIFIED ADS

**FOR SALE:** Used typewriter, excellent condition. Swiss made with technopica typeface. Can be seen at the Tech bookstore.

**FOR SALE:** Used studded snow tires in good condition, 8.55x14. Call 792-0248 evenings.

# Halloween Has Meaning

Halloween is a day filled with meaning and historical significance. It began as a festival of Scottish-Irish origin held on All Hallows Eve, the night of October 31.

Elements of the custom, however, can be traced to a Druid ceremony performed in pre-Christian times. The festival was named, Samhain, after one of the Celts major gods.

October 31 was the eve of the new year in both Celtic and Anglo-Saxon times. It was connected with the return of herds from pasture, and the renewal of laws and land tenures. October 31 was also the day for the fire festival. Fires were rekindled for the coming year.

As agriculture combined with herding the crops as well as the herds had to be protected from demonic influences that might take place during the coming year. Since November ushers in the darkest and most barren half of the year, Halloween became related with ghosts, hobgoblins, fairies and demons.

Slowly Halloween developed into a realm of folk observances. In certain areas of Britain, Halloween became associated with marriage, luck, health and death. It was the only day on which the devil could be called upon for assistance.

Scotland transformed October 31 into a day for premarital counseling. The teenagers gathered for games to ascertain which of them would marry during the year, and in what order the marriages would occur. Name, occupation and hair color of the spouse were also determined. The teenagers then secretly proceeded to the barn where a sieve was used to perform the action of winnowing corn. After this action was repeated three times, the apparition of the future husband or wife was supposed to pass through the barn. As time passed marital prospects were also determined through such omens as apple parings thrown over the shoulder or nuts burned in a fire. Such actions were supposed to induce an apparition.

Apple dunking has become merely a game, but it also has historical meaning. Apples and sixpence were put into a tub of water and he who succeeded in extracting either of them with his mouth without using his teeth was destined to have a lucky year.

The use of the jack-o-lantern also originated in Scotland. The Scottish used a turnip, but the pumpkin was substituted in the United States.

Irish-immigrants introduced secular Halloween customs to the United States. These customs did not become popular until the late nineteenth century. Mischief making by teenage boys took such forms as overturning sheds and outhouses, breaking windows, damage to property and putting buggies on rooftops.

In the early twentieth century less destructive practices became customary. Children dressed up in costumes and went from door to door for "trick or treat." They collected candy or pennies. Inhospitable or absent householders were punished by mild tricks.

Today fewer children "trick or treat" because the trick is usually on them. Householders place razor blades in popcorn balls and mothballs in chocolate covered cherries.

Halloween has lost its significance, but the beauty of its history can never be lost.

## W.R.A. Campus Club for Women

W.R.A. (Women's Recreation Association) is an organization for women who have an interest in sports, exercise and recreation.

During the year, W.R.A. offers several different activities. First semester includes volleyball and swimming. Basketball, softball and powderpuff football take place during the spring semester.

Also planned, for the spring semester is a playday. At this time girls from the surrounding areas (Deer Lodge, Anaconda, etc.) are invited to the Tech campus to play volleyball, basketball or go swimming. A free lunch will be served on this day. This playday is not only for fun and games, but it also gives the girls a chance to see our campus and talk to various students.

This year's officers are:  
Elissa Clark, President  
Teri O'Rourke, Vice-president  
Nancy Cunneen, Secretary-Treas.  
Agnes Seymour, A.W.S. Rep.  
Mrs. Peggy Sarsfield, Faculty Advisor

W.R.A. meets at 7:00 on Tuesday evening in the gym. ALL GIRLS ARE CORDIALLY INVITED!



Back Row, L to R: Barb Hayes, Carol Yakawich, Mary Beth Parker. Front Row, L to R: Callista Beaudry and Kathy Dillon.

## Women a Minority

Women are still a minority at Montana Tech as figures become smaller.

In spite of a 12 per cent decrease in enrollment from last year, women still constitute only about a third of the student body, in case someone hasn't noticed.

This year's total enrollment was 789 with only 190 women students. The other 599 are men or whatever. Last October's figures were 224 women and 674 men students.

## Tech Alumnus

## Writes Book

A new book on the market, The Rockhound's Manual, has been written by a Montana Tech alumnus, Gordon S. Fay.

Fay, a 1939 geological engineering graduate, covers all aspects of rock collecting in his book. He deals with the formation of minerals and gems as well as their identification, storage and use.

According to Harper and Row, publishers, "this new handbook is one of the finest and most attractive introductions to this exciting field." Fay's subjects include map reading, the use of survey tools, recognizing mineral bearing deposits, mineral types, field and laboratory tests, mine and cave deposits, staking a claim and other aspects of mining law, the lapidary workshop, gem mounting, rockhound photography, ultraviolet light and luminescence and organizing a collection. Each of the major gemstone families are covered in individual chapters and Fay has written a special chapter on gold. The book includes reference tables on the essential physical and chemical characteristics of more than 150 commonly sought gems and minerals as well as several reading lists.

The author, who is an associate professor of engineering and earth science at Los Angeles Valley College, was born in Chicopee Falls, Mass., and worked his way through college at Tech by dishwashing, working in the Butte copper mines and in the Montana oil fields.

He spent two summers in oil exploration work as a geologic assistant in Montana, Wyoming and South Dakota and one year as a junior civil engineer. Aside from his engineering, Fay spent one year as a member of a semiprofessional lacrosse team.

After graduation from Montana Tech, he worked in Peru and Chile as a mining engineer. After serving in World War II as a Marine Corps mapping officer, he became an instructor at Northrop Aeronautical Institute and then an instructor at Los Angeles City College. He has been in his present position for the past 20 years.

Fay, who lives with his family in Tarzana, Ca., has written articles which have appeared in McCall's Bluebook, Boy's Life, Popular Electronics and Science Digest.

## Cheer Squad Named

Sparkly Carol Yakawich is the new head cheerleader at Montana Tech. The four other vivacious young women who complete the cheer squad are Barbara Hayes, Callista Beaudry, Kathy Dillon and Mary Beth Parker. All five are from Butte.

Miss Yakawich, a sophomore, is an education major. She was a cheerleader last year and is a member of Women's Recreation Association and Associated Women Students.

Miss Hayes, who is a sophomore history major, also belongs to WRA and AWS.

Miss Beaudry is a transfer in nursing from the University of Montana. She is a sophomore.

Miss Dillon also is a sophomore. Her major is English and mathematics.

Miss Parker, a graduate of Butte Central High School, is the only freshman. She is in general studies at Tech. At Central, Miss Parker was a member of the National Honor Society, the drill team, Girl's Athletic Association and was a Girls' State delegate.

## Creativity Wanted

So you're creative — with pen or camera — and no one cares. Send your articles to the Amplifier. We'll treat them with respect. If they're good, we'll print them. Mr. Taylor's office, Main 117, will be the collection point.

## Vote November 7 It's a Holiday

On Tuesday, November 7, citizens of the United States will go to the polls to vote for a president. Not only will a president be chosen, but state and county officials will be elected as well.

Montana Tech will be closed on that day which normally does not upset the student body, but don't forget to exercise our great American democratic privilege. Because of lower age requirements, this is the first year that many students can vote. Remember that on this holiday, all citizens have an important function to perform.

The citizens should become familiar with the candidate's policies. Don't vote just to follow the crowd, cast ballots intelligently. If a candidate's plans are unknown, perhaps the Montana Tech Library has political platforms on file. If nothing can be found in the library, undoubtedly there are well-informed and objective people on the campus that could help clear up any problems as to a politician's plans.

A person who is too apathetic or lazy to go to the polls is giving up one of his most important rights. By not voting, he is throwing away his chance to have a voice in the government of his country. Because of indifference and apathy, do not allow dishonest and unqualified persons to gain control of our government. Exercise this great privilege by being an interested and well-informed voter.

## Odds and Ends

Tech's new Student Union Building is quite an asset to the campus, besides the fact that ash trays are at a minimum in the fireplace lounge and students are subjected to listening to corny radio programs over the sound system. Whatever happened to the days of good old piped-in MUSIC?

Campaign '72 is nearing the end as it evolves into Election '72. Don't forget to get out and vote. But remember, "Let your conscience be your guide."

Labor is picketing the Farah Manufacturing Co. due to the lack of union organization and unfair labor practices. The strike is now in its sixth month and the workers need your support. DON'T BUY FARAH CLOTHING!

The various posters and signs around the campus are for the student to read and thus become informed. Some are using them to display their artistic talents. This is a very uncouth gesture which should be terminated. Display your artistic talents using some other conventional means!

Election years always full, of peaceful liars throwing the bull; and if one does any objecting, all the hawks will get sore.

Political pied-pipers always with siren songs of welfare, promise peace, but give us police actions and bloody warfare.

To keep both our minds and our eyes off the deadly ball: distracting fun and fear must be provided a plenty for all.

The dedicated students of Professor Herndon's class request that he please come to class on time!

If you don't become involved in the various campus activities, how can you say you are a student at Montana Tech? The education of the whole person requires social as well as mental activity. The various campus clubs were created for the student's benefit, not just for lack of nothing else to do.

The Amplifier would like to print the words to the school song. Would anyone who has the words to this song, please bring a copy to Mr. Taylor's office.

It has been rumored that on November 1, the ASMCMS&T will have a poll or vote taken on giving more money for athletics. The secret hope is that few students will know about it, so the knowledgeable can engineer an increase. Would someone please inform the entire student body of the facts.

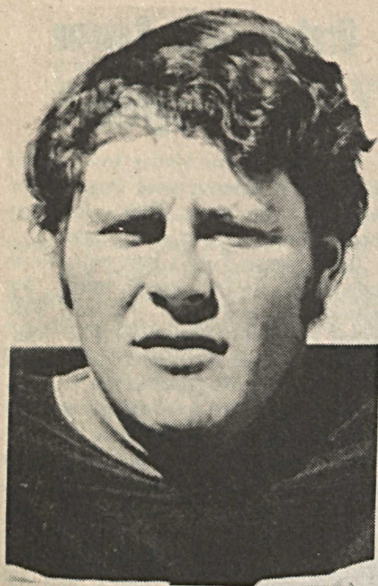
## Crossword Solution

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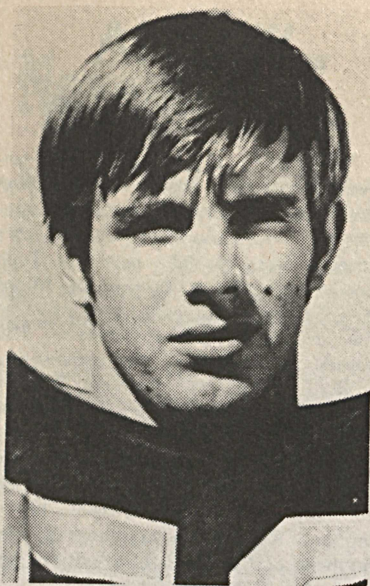








DAN MAHONEY



GARY JONES

## Four Play Last Game

Saturdays game against Rocky Mountain College is the last home game for four of Montana Tech's players. The four, all seniors have played football for Tech all four years. They are Dan Mahoney, linebacker from Butte; Gary Jones, Center from Belgrade; Nick Obstar, Fullback from Great Falls and Ed Pettigrew, safety from Shelby.

These four men have given much time and energy to Tech and we thank them for it.



NICK OBSTAR



ED PETTIGREW

## Death

LIFE ON EARTH IS A LOSING GAME  
YOU'RE NEVER THE VICTOR  
THE HOLDER OF FAME  
FOR ON EARTH THERE IS ONLY ONE  
BY WHOM DEATHS GAME IS EVER  
WON

HIS NAME IS DEATH  
HE'LL ALWAYS REIGN  
FOR DEATH IS THE MASTER  
OF DEATH'S OWN GAME  
PEOPLE ARE SOWN INTO A PRI-  
VATE HELL  
IN WHICH AN ESCAPE IS NEVER  
SHOWN

JOY IS NOT RUNG  
WHEN HE TOYS WITH HIS GAME  
THROUGH THE FORCE OF HURT  
DEATH WILL ALWAYS LURK  
AND REMAIN THE HOLDER OF  
FAME

CHRISTINE LEDING

## Food Stamps on Campus

How many college students throughout this country are getting federal food stamps on various welfare programs?

No one seems to know, but apparently quite a few. Once the privilege of the affluent, a college education is currently available to the poverty-stricken.

College students, not listed by their parents as dependents, are eligible for food stamps. It varies from state to state and county to county, but in Arizona, for example, a single person who earns less than \$178 a month or couples who earn less than \$233 a month and have assets valued at less than \$1500, are frequently considered O.K. for food stamps.

Such qualified students receive about \$36 a month in stamps, which are acceptable for all grocery purchases except beer and cigarettes.

## Basketball Progress

Montana Tech basketball coach Terry Battenburg announced that the team is continuing to progress. The Orediggers are working on conditioning, but will begin to work on shooting this week. Coach Battenburg said that at this time the defense is far ahead of the offense, but he believes that Tech will be able to floor a formidable team for their season opener, November 10.

## SEG Lecturer Speaks at Tech

The Society of Exploration Geophysicists Distinguished Lecturer for the fall of 1972, Dr. George V. Keller, spoke to students and faculty Wednesday, October 18 on the theory of using geothermal energy as a means of supplying the nations energy demands.

Dr. Keller is currently a member of the Geophysics Department at the Colorado School of Mines. He received his B.Sc., M.Sc., and Ph.D. from Penn State University with majors in geophysics and mathematics. Dr. Keller first became interested in the use of geothermal energy while working with the Department of Scientific and Industrial Research in New Zealand during 1968. Since that time, he has participated in many geothermal exploration projects around the world as a consulting member of Group Seven, Inc.

His talk began with a short discussion of the energy crisis our nation is experiencing. He feels that the heat generated beneath the surface of the earth can be exploited and used to produce energy instead of depleting further our oil, natural gas and coal supplies. He believes that steam extracted from the ground in areas where volcanic activity has been known can be used to turn turbines and generate electrical power. Power plants of this type are already in use in New Zealand, at Larderell, Italy, and at Wiraki, in California.

Since natural resources used to supply power are diminishing, geothermal energy, he states, can solve the problem partially.

In an abstract on the subject, Dr. Keller states, "A geothermal reservoir consists of a volume of rock ranging from several cubic kilometers to several tens of cubic kilometers saturated with water heated to temperatures above 175° Centigrade."

Several types of energy reservoirs that can be used to create a supply of power are molten rock pools, hydrothermal systems, warm basement rocks and geopressed zones. Speculation has arisen regarding the amount of geothermal systems available. Seven hundred systems would be necessary to supply the increasing demand over the next twenty years. Dr. Keller, however, believes that there are somewhere between ten and fifty such systems.

He gives several exploration methods of finding a geothermal system such as geochemical indicators, temperature surveys, microseismicity, seismic noise, resistivity, gravity, and drilling. The most universal way of determining whether or not there is a system present is with resistivity, because, as Dr. Keller states in his abstract, "temperature profoundly affects the electrical properties of a rock."

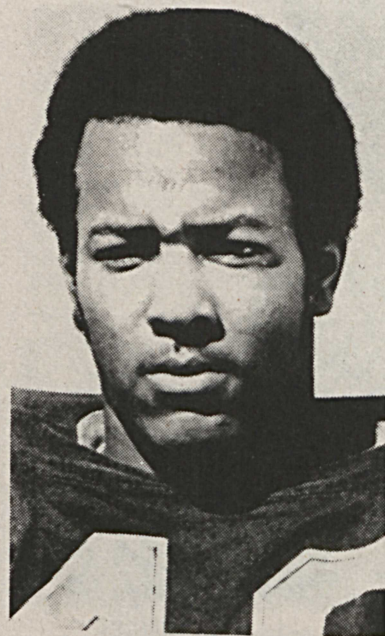
Geothermal power is estimated to cost from 1/3 to 1/4 less than the conventional power sources.



## Contest

\$25.00 prize for designing the reverse of the coin to appear in the Commemorative Book.

Design must reflect when and where the seed was sown leading to the creation of this institution. 1864 1st strike on Silver Bow Creek. Coin is same size as silver dollar. Designs to be submitted to Magma Office (SUB 119) no later than Nov. 27th. Winner will be announced before Christmas break.



AUSTIN McCULLY

## TECH WINS 28-14

Montana Tech earned its second Frontier Conference win with a 28-14 victory over Eastern Montana College in Billings October 14. Nick Obstar scored twice for the Orediggers while Larry Ryd and Doug Dewald each added one. However the game was not a complete success. Austin McCully, freshman tailback from Gary, Indiana, broke his leg in the game and will be inactive for the rest of the season. The coaching staff said that the team did an outstanding job, and cited Bob Blakely and Reggie Johnson for doing an excellent job filling in for tailback McCully.

## Montana Power

### Exploits

## Natural Resources

The Montana Power Company, which made the highest after-tax profit of all the nation's largest utilities in 1970 and was second place in 1971, now finds it necessary to exploit more of Montana's natural resources to maintain its national standing. Stripmining has become the company's latest gig. And, since Montana's use of coal and coal-generated electricity is at a minimum, most of the coal dug up near Billings is shipped out of state.

So, while Montana Power increases its profits, it raises the consumer's utility rates by 11 per cent for electricity and 19 per cent for natural gas to finance the destruction of land in our beautiful state.

Could it be time for the Bee Gees to write another song, this time entitled "The Montana Stripmining Disaster—1972"?

## Scholarships Awarded to

## Harkins and Dale

Larry Harkins and Thomas Dale, seniors in Mining Engineering, have been awarded separate scholarships.

Larry Harkins has been awarded a \$750 Consolidation Coal Company Scholarship.

Harkins, who was last year's junior class president and is a member of Theta Tau professional engineering fraternity, worked for Consolidation Coal this summer doing engineering studies in West Virginia.

He was presented a check for the scholarship by Paul Stanek, manager of manpower services for Consolidation Coal, the nation's largest coal producer.

Thomas Dale has been awarded the \$1,300 Duval Corporation Scholarship for the 1972-73 academic year.

Based upon scholarship, attitude, personality, professors' recommendations and a desire to make a career in the minerals industry, the scholarship has been awarded by Duval for the past four years.

Mr. Dale had a 3.00 grade point index this past term. A varsity letterman, he was a justice on the student court of the associated student body, and a Vice Regent of Psi chapter of Theta Tau Professional Engineering Fraternity.

## Library Hours

## Too Restricted

The Tech library is a letdown. Not in terms of materials available, but in terms of time schedules according to which library use is restricted.

It hardly seems appropriate that the library should close at 9:00 p.m. on week nights. Especially for those students who find it difficult to get to the library at any time during the day.

Most other college libraries in the state are open until at least 10:00 p.m. on Sundays through Thursdays. And Tech's library doesn't even open on Sundays.

It should only seem right that since the library is basically for student use it should maintain hours to accommodate students. Extended hours on week nights and evening hours on Sundays could eliminate the problem.

Or, if extended hours are not financially feasible, a coin operated copy-machine could be placed in the library. This would make it possible for students to obtain copies of needed materials, especially materials on reserve, for use at a time most convenient for them.

If the library is to be used by the students, its use must be made convenient to the students.

## Orediggers

## Shorted 17 - 13

A tough Carroll College defense proved to be too much for Tech's Orediggers as the Saints won 17-13. The loss was Tech's first legitimate Frontier defeat in three years.

The Orediggers took an early lead on a touchdown by Nick Obstar, however, the Saints were able to tie the score before the end of the first half. In the third quarter Carroll went ahead on a field goal and added a touchdown in the fourth quarter. Tech scored late in the game to come within four points. An on-side kick attempt failed with less than one minute left in the game, allowing Carroll to run out the clock for the victory.



LARRY RYD

## Football Player Ryd Majors in Mining

Montana Tech's starting tight end is freshman Larry Ryd. Ryd is majoring in Mining Engineering. Larry, from Spokane, Washington, originally planned to attend Tech on an engineering scholarship. Upon acceptance by the Mining department, Ryd wrote to the coaching staff and was given an athletic grant-in-aid to play football.

The versatility of this young man was shown when the coaching staff converted him from halfback to his present position of tight end. Coach McMahan said that Larry has done an outstanding job for Tech both catching passes and blocking for the offensive unit.

Larry is no stranger to Butte, his parents lived in the Butte area for many years and he has several relatives living in Butte as well as attending Montana Tech. Larry attended West Valley High in Spokane where he graduated in the top ten percent of his class. Besides his participation on the football team Larry is carrying twenty credits in Mining engineering.

Montana Tech is fortunate to have the young man representing them.

### AMPLIFIER STAFF

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